



## INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

**Poncies Water Sports**  
**FID# 12309, Incident# 200012502**  
Leaking Underground Storage Tank Program

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100 N. Senate Ave., Indianapolis, IN 46204

**Background:**

The site is a former automobile gasoline service station which had two gasoline underground storage tanks (USTs), one diesel UST and a used oil UST. In 1990, the gasoline USTs were closed in-place and the waste oil and diesel USTs were removed. Based on sample results from a Phase II investigation conducted in 2000 by a third party for a possible property transfer, the third party reported a confirmed release of petroleum products to IDEM after the owner failed to do so. Subsequent investigations identified carbon tetrachloride and vinyl chloride unrelated to the UST operations in the

**Actions Taken:**

IDEM received the Initial Site Characterization Report February 2003. After additional site investigation, IDEM approved the site characterization in November 2003 and requested a Corrective Action Plan (CAP). The CAP proposed excavation of petroleum impacted areas and monitoring of ground water conditions. IDEM approved the CAP in January 2004 and it was implemented in June 2004 by the environmental consultant hired by the owner.

- The consultant found free product in a monitoring well at a property line during the implementation of the CAP. As a result, they conducted additional investigations to delineate the extent of the contaminant plume. These investigations continued into 2010.
- During these investigations, the consultant found a chlorinated solvent plume down gradient of the site which is from another source area. This plume is contained inside the petroleum plume.
- The consultant installed a total of 54 monitoring including several nested wells to assess the vertical extent of the contamination. They installed the final well in March 2010, to complete the site characterization.

As of September 2013, the environmental consultant for the owner removed 194 gallons of free product from monitoring wells. In addition, they removed over 2,270 tons of petroleum impacted soil.

**Environmental Impacts:**

A large ground water plume of petroleum and chlorinated solvents represent significant challenges at this Site.

- Ground water monitoring shows that the dissolved petroleum plume is 560 feet long and 200 feet wide.
- Free product is present approximately 300 feet from the source.
- The chlorinated plume is 530 feet long and 160 feet wide.
- Petroleum contaminants have been detected in the ground water and in a stream near the terminus of the plume.
- Ground water impacts are present on the properties of eight different property owners.
- The plume surface area is over 3.5 acres.
- Testing found water and vapor impacts in a drainage tile over 400 feet from the source.
- Air samples collected in several buildings have been negative for vapor intrusion.
- It appears that the petroleum plume limits the extent of the chlorinated plume.

- A map showing the extent of soil and ground impacts is provided on page 3 of this Site Summary.

### **Next Steps:**

The owner needs to conduct more cleanup for this very expensive response.

- Cost to day exceeded the \$2,000,000 limit for coverage under the State Fund. The owner must pay for future costs.
- IDEM approved an amended CAP for the installation of a vacuum extraction system in the area of highest free product volume.

### **More Information:**

#### **Environmental Issues - Sampling, Gasoline Spills, and Cleanup**

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**IDEM Virtual File Cabinet** - To view public records for this site, visit IDEM's Virtual File Cabinet at [www.idem.IN.gov/6551.htm](http://www.idem.IN.gov/6551.htm), click on Document Search, enter the index as "FID", and enter the Value "12309".

**IDEM UST Branch Information** - For general information and links to additional resources, visit IDEM's Underground Storage Tanks Web page at [www.idem.IN.gov/4999.htm](http://www.idem.IN.gov/4999.htm) and IDEM's Leaking Underground Storage Tanks Web page at [www.idem.IN.gov/4997.htm](http://www.idem.IN.gov/4997.htm).

